

Transmittal

Date: 12 September 2001

From: Lynn Marie Hornecker *LMH*

To: Ms. Triss Chesney
State of California Environmental Protection Agency
Department of Toxic Substances Control, Region 4
Site Mitigation Branch
Base Closure Unit
5796 Corporate Avenue
Cypress, CA 90630

Subj: Miscellaneous Location of Concern PCB A2
Former Electronic Equipment Storage Area
Marine Corps Air Station, El Toro

Transmitted as the attachments are maps showing the vicinity and investigation boundaries of the site and the risk calculation worksheet for Miscellaneous Location of Concern PCB A2 (Former Electronic Equipment Storage Area) at the Marine Corps Air Station, El Toro. The attached information is provided in response to your letter dated 20 August 2001 which is also included as an attachment. The investigation boundaries and the risk calculations were inadvertently omitted from the Summary Report that was submitted to your office earlier this year. The investigation of PCB A2 included two areas located north of Building 324: one area was located between Buildings 324 and 326 (near Solid Waste Management Unit (SWMU) Number 95) and the other area was located north of Building 324 and northwest of Building 326.

Please do not hesitate to call if additional information is required for PCB A2.

Thank you.

Attachments

Vicinity Map and PCB A2 Sampling Locations
Risk Calculation Worksheet
DTSC Letter dated 20 August 2001

CF:

Dean Gould (MCAS El Toro)
Nicole Moutoux (USEPA)
Patricia Hannon (RWQCB)
Dhananjay Rawal (IT Corporation)
Project File (MCAS El Toro)

TRANSMITTAL

Date: 19 MAY 2006

Attn: Jennifer Brehm

From: Lynn Marie Hornecker
Code BPMOW.LMH

To: Diane Silva
SWDIV ADMINISTRATIVE RECORD
Code EVR.DS

Subj: CERCLA
Administrative Record Materials
Former Marine Corps Air Station, El Toro

Installation: Former Marine Corps Air Station, El Toro

UIC Number: M60050

Site Identifier: PCBAZ

Key Words: PCBAZ

Contract Number: N/A

CTO or DO Number: N/A

Record Date (s): 12 September 2001

Summary Report
is AR M60050.000641
DTSC Cmts - M60050.002488

Record Type:

☒ Navy submittal to regulatory oversight agency: Navy response to DTSC

Regulatory review comments: _____

No further action decision letter: _____

Other: _____

Comments dtd
20 August 2001
with supplementary
information

Notes

PCBAZ is located within the
boundary of IRP Site 24.

PCBAZ Summary Report dtd January 2001 is CERCLA
AR M60050.000641

SENSITIVE RECORD

**PORTIONS OF THIS RECORD ARE CONSIDERED SENSITIVE
AND ARE NOT AVAILABLE FOR PUBLIC VIEWING**

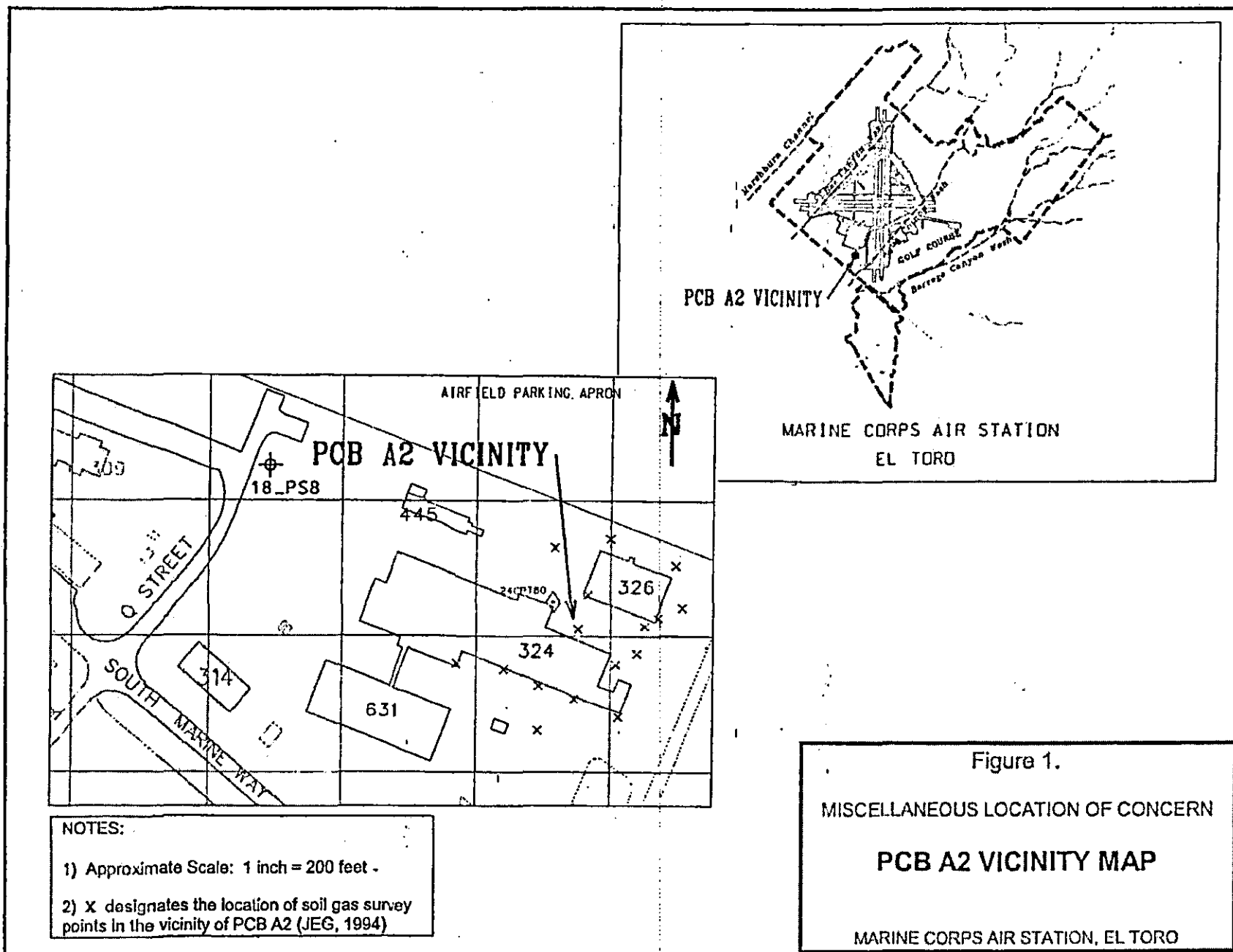
**FIGURE 1 – MISCELLANEOUS LOCATION OF
CONCERN PCB A2 VICINITY MAP**

FOR ADDITIONAL INFORMATION, CONTACT:

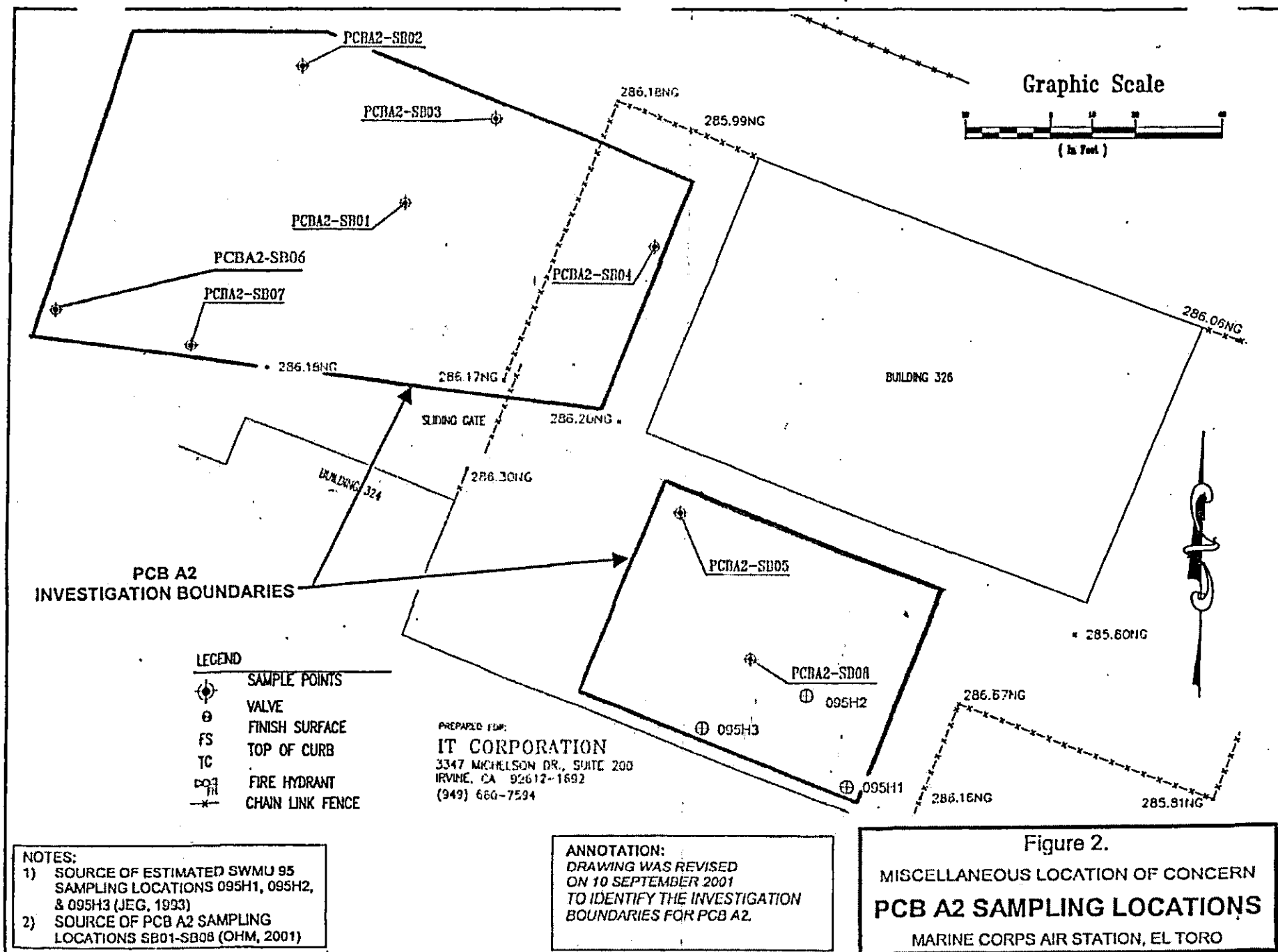
**DIANE C. SILVA, RECORDS MANAGER
NAVAL FACILITIES ENGINEERING COMMAND, SOUTHWEST
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132**

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SENSITIVE



SENSITIVE



**Table. Risk Screening ¹ Worksheet for Soil at PCB A2.
Former Electronic Equipment Storage Area, MCAS El Toro.
Residential Scenario**

Chemical	Maximum PCB A2 Concentration (mg/kg)	MCAS El Toro Background Concentration (mg/kg)	Cancer risk			Non-cancer risk	
			Residential PRG (mg/kg)	PCB A2 Maximum Ratio	MCAS El Toro Background Ratio	Residential PRG (mg/kg)	PCB A2 Maximum Ratio
Cancer Risk							
Alpha BHC	0.028		0.09	3.11E-07			
4,4-DDD	0.13	0.0361	2.4	5.42E-08	1.50E-07		
4,4-DDE	0.48	0.145	1.7	2.82E-07	8.53E-08		
4,4-DDT	0.96	0.236	1.7	5.65E-07	1.39E-07		
Heptachlor	0.0012		0.11	1.09E-08			
Non-cancer Risk							
Methoxychlor	See Note 2					310	NA
Total Risk (Subtotal of ratios)				1.22E-06			
MCAS El Toro Background Risk					3.74E-07		
PCB A2 Risk Less Background Risk				8.49E-07			

NOTES:

1. Screening risk estimates were calculated for each analyte that was identified at or above the laboratory reporting limits as identified in Table 2 of the Summary Report (Southwest Division, Naval Facilities Engineering Command, January 2001).

The cancer risk estimate was calculated using the maximum identified concentration for each analyte with the equation provided in the USEPA Region IX PRG publication dated 2000:

$$\text{Risk} = \{[\text{concentration} / \text{PRG}] + [\text{concentration} / \text{PRG}] + [\text{concentration} / \text{PRG}]\} \times 10^{-6}$$

2. Methoxychlor has a non-cancer Residential PRG of 310 mg/kg, however, methoxychlor was not detected at or above laboratory reporting limits. Methoxychlor was reported as an estimated value, below laboratory reporting limits and above method detection limits, in one or more samples. The hazard index would have been calculated according to the following equation:

$$\text{Hazard Index} = \{[\text{concentration} / \text{PRG}] + [\text{concentration} / \text{PRG}] + [\text{concentration} / \text{PRG}]\}$$

3. NA = Not applicable

**Table. Risk Screening Worksheet for Soil at PCB A2.
 Former Electronic Equipment Storage Area, MCAS El Toro.
 Industrial Scenario**

Chemical	Maximum PCB A2 Concentration (mg/kg)	MCAS El Toro Background Concentration (mg/kg)	Cancer risk		
			Industrial PRG (mg/kg)	PCB A2 Maximum Ratio	MCAS El Toro Background Ratio
Cancer Risk					
Alpha BHC	0.028		0.59	4.75E-08	
4,4-DDD	0.13	0.0361	17	1.08E-08	1.50E-07
4,4-DDE	0.48	0.145	12	2.82E-08	8.53E-08
4,4-DDT	0.96	0.236	12	5.65E-08	1.39E-07
Heptachlor	0.0012		0.55	2.18E-09	
Total Risk (Subtotal of ratios)				1.45E-07	
MCAS El Toro Background Risk					3.74E-07
PCB A2 Risk Less Background Risk				Less than 0	